

Peer Consultation on the Use of Asbestos as a Surrogate for Determining the Risk From Other WTC Contaminants

PANEL BIOGRAPHIES

Gary Ginsberg

Dr. Ginsberg is a toxicologist at the Connecticut Department of Public Health within the Toxic Hazards Assessment Unit. He has responsibility for human health risk assessments conducted in the state. This includes evaluation of exposures to chemicals in outdoor and indoor air as may occur from industrial releases, fires, mercury spills, volatilization of chemicals from groundwater into buildings, and from indoor building sources (e.g., mold, lead, VOCs). Dr. Ginsberg reviews sampling protocols, data collected from air and surface wipes, evaluates health risks, and provides recommendations regarding mitigative options. He also conducts risk assessments for chemicals in drinking water, soil, and food. Dr. Ginsberg is project manager for several cooperative agreements with USEPA. One project is researching pharmacokinetic differences between children and adults while the other is exploring the influence of genetic polymorphisms on susceptibility to toxicants and inter-individual variability. Dr. Ginsberg serves as adjunct faculty at the Yale School of Medicine and is an Assistant Clinical Professor at the University of Connecticut School of Medicine. He received a Ph.D. in toxicology from the University of Connecticut (Storrs) and was a post-doctoral fellow in carcinogenesis/mutagenesis at the Coriell Institute for Medical Research. Dr. Ginsberg's toxicology experience has involved a variety of settings: basic research, teaching, working within the pesticide and consulting industries, and now working in public health. He has published in the areas of toxicology, carcinogenesis, physiologically-based pharmacokinetic modeling, inter-individual variability and children's risk assessment.

Annette Guiseppi-Elie, Ph.D.

Senior Consultant, DuPont Engineering, Corporate Remediation Group

Dr. Guiseppi-Elie is a Senior Consultant on Exposure and Risk Assessment issues for the DuPont Company. She serves on a number of scientific entities in her role as technical expert and advocate for the use of sound scientific principles and data in conducting environmental health risk assessments. These organizations include the USEPA Science Advisory Board (Integrated Human Exposure Committee), the Mickey Leland Center National Urban Air Toxics Research Center, the International Programme on Chemical Safety's Planning Committee on Harmonization of Exposure Assessment, The Pennsylvania Cleanup Standard Science Advisory Board and the American Chemistry Council's Human Health Exposure Assessment Technical Implementation Panel. She is past –Chair of the American Industrial Health Council's Environmental Health Risk Assessment Committee. Her expertise is in the areas of site and risk assessment, specifically, *exposure assessments* and including environmental fate and transport processes. Dr. Guiseppi-Elie has conducted environmental site assessments and risk assessments both in the US and internationally. Her doctoral research focused on the fate and transport of dioxins in the environment. Her current research interests are in the areas of integrated/cumulative exposure

and risk assessment and the relationship between indoor, outdoor and personal air exposures (e.g., the World Trade Center Indoor Air Assessment). Dr. Guiseppi-Elie received her B. Sc. degree in Chemistry and Zoology and her M. Sc. in Entomology from the University of the West Indies (UWI), Trinidad in 1977 and 1979, respectively. She received a M. Sc. degree in Pollution and Environmental Control from the University of Manchester Institute of Science and Technology (England) in 1980 and her Ph. D. in Civil Engineering from the University of Maryland (College Park, USA) in 1987.

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John R. Kominsky is a Vice President at Environmental Quality Management, Inc. and is also an Adjunct Associate Professor in the Department of Environmental Health at the University of Cincinnati. He has a Master of Science Degree in Industrial Hygiene (University of Pittsburgh, 1973) and a Bachelor of Science Degree in Chemical Engineering (University of Nebraska, 1971). He is, by examination, a Certified Industrial Hygienist (No. 2246) by the American Board of Industrial Hygiene and a Certified Safety Professional (No. 14247) by the Board of Certified Safety Professionals. He has authored or co-authored more than 40 peer reviewed publications on occupational, environmental, and public health and has spoken on these topics to numerous professional groups.

He served as a consultant to U.S. EPA regarding the biocidal treatment of *Bacillus anthracis* endospores present in the ventilation system for Senator Daschle's Suite in the Hart Senate Office Building. At the request of the Ground Zero Task Force, he conducted a study to determine the environmental impact of the collapse of the World Trade Center (WTC) on the adjacent residential structures. His report is available at (www.eqm.com). He served on an expert panel established by the New York Academy of Medicine and in collaboration with U.S. EPA to review EPA's plan for the assessment and remediation of indoor air quality in lower Manhattan. He served as a panel member of the WTC Peer Review Expert Panel that reviewed the *Selecting Contaminants of Potential Concern and Setting Health-Based Benchmarks* document prepared by the WTC Indoor Air Taskforce regarding exposure to WTC-related contaminants that may pose long-term health risks to residents of lower Manhattan. Serving on U.S. EPA appointed expert panel regarding Vermiculite Attic Insulation (VAI) Sampling and Analysis method development for assessment of asbestos in homes. Serving on U.S. EPA WTC expert review panel to provide scientific input regarding applicability of using asbestos as a surrogate to determine the risk from exposure by residents to other WTC related contaminants.

Robert P. Nolan

Robert P. Nolan is Deputy Director of the Center for Applied Studies of the Environment and a Member of the Doctoral Faculty (Chemistry and Earth & Environmental Sciences) at the Graduate

School and University Center of The City University of New York (www.rpnolan.com). He is a Visiting Scientist in the Department of Earth and Planetary Sciences at the American Museum of Natural History. He has organized International Symposiums for defining the contribution of science to risk-management decisions. He has used air sampling to characterized airborne concentrations of asbestos for risk assessment of asbestos-related cancers. Other work includes applying risk assessment models to characterize the cancer risks that might be associated with occupational exposure to synthetic vitreous fibers. He has also undertaken physicochemical and toxicological studies for the health hazard evaluation of various types of particulates including analyzing settled dust and sampling for airborne particulates related to the collapse of the World Trade Center post-9/11.

Clifford P. Weisel, Ph.D.

Clifford P. Weisel, Ph.D. is a Professor in Environmental and Community Medicine at the University of Medicine and Dentistry of New Jersey-Robert Wood Johnson Medical School and Deputy Director of the Exposure Measurement and Assessment Division of the Environmental and Occupation Health Sciences Institute. Dr. Weisel also holds appointments at the Graduate Faculty of Rutgers University and the School of Public Health of UMNDJ and directs the Doctoral Graduate Study option in Exposure Assessment, jointly given by the Graduate School of Biomedical Sciences of UMNDJ and the Department of Environmental Sciences of Rutgers University. He was the treasurer of the International Society of Exposure Assessment and an associate editor of the Journal of Exposure Analysis and Environmental Epidemiology and the Journal of the Air Waste and Management Association.

Dr. Weisel has conducted research to evaluate multi-route exposures to volatile organic compounds and trace metals using direct exposure measurements and biomarkers of exposures. His broad areas of interest are analyzing the relationship among ambient, indoor and personal air pollutants; the effect of air pollutants on asthmatics; multi-route exposure to disinfection by-products in drinking water; how the body burden of contaminants and their metabolites vary to reduce uncertainty in extrapolating basic mechanistic data determined at high concentrations in animals to environmental exposures in humans; measuring biomarkers and variations in metabolic rates for use in pharmacokinetic models in humans at environmentally relevant levels; and application of genomics to understand gene-environmental interactions